| L Number | Hits | Search Text   | DB        | Time stamp       |
|----------|------|---|-----------|------------------|
| 1        |      |   |           |                  |
| 1        | 6    | finite adj element adj analysis adj mesh and                | USPAT;    | 2003/12/31 15:12 |
|          |      | (@ad<19991127 @rlad<19991127)                               | US-PGPUB; |                  |
|          |      |   | EPO; JPO; |                  |
|          |      |   | DERWENT;  |                  |
|          |      |   | IBM_TDB   |                  |
| 2        | 1    | finite adj element adj analysis adj mesh and weld\$ and     | USPAT;    | 2003/12/31       |
|          |      | (@ad<19991127 @rlad<19991127)                               | US-PGPUB; | 10:35            |
| 1        |      |   | EPO; JPO; |                  |
| 1        |      |   | DERWENT;  |                  |
| _        |      |   | IBW_TDB   |                  |
| 3        | 5    | finite adj element adj analysis adj mesh and (weld\$        | USPAT;    | 2003/12/31       |
|          |      | stress\$ distort\$) and (@ad<19991127 @rlad<19991127)       | US-PGPUB; | 10:36            |
|          |      |   | EPO; JPO; |                  |
| 1        |      |   | DERWENT;  |                  |
|          |      | · ·   | IBW_TDB   |                  |
| 5        | 96   | finite adj element adj analysis and weld\$ and stress\$     | USPAT;    | 2003/12/31       |
|          |      | and distort\$ and (@ad<19991127 @rlad<19991127)             | US-PGPUB; | 10:34            |
|          |      |   | EPO; JPO; |                  |
|          |      |   | DERWENT;  |                  |
|          |      |   | IBM_TDB   |                  |
| 6        | 0    | finite adj element adj analysis and analytical adj solution | USPAT;    | 2003/12/31       |
|          |      | and weld\$ and stress\$ and distort\$ and (@ad<19991127     | US-PGPUB; | 10:36            |
|          |      | @rlad<19991127)   | EPO; JPO; |                  |
|          |      | ·   | DERWENT;  |                  |
|          |      |   | IBM_TDB   |                  |
| 7        | 693  | analytical adj solution and (@ad<19991127                   | USPAT;    | 2003/12/31       |
|          |      | @rlad<19991127)   | US-PGPUB; | 10:35            |
|          |      |   | EPO; JPO; |                  |
|          |      |   | DERWENT;  |                  |
|          |      |   | IBM_TDB   | •                |
| 8        | 43   | analytical adj solution and weld\$ and (@ad<19991127        | USPAT;    | 2003/12/31       |
|          | •    | @rlad<19991127)   | US-PGPUB; | 10:35            |
|          |      |   | EPO; JPO; | 10.00            |
|          |      |   | DERWENT;  |                  |
|          |      |   | IBM_TDB   |                  |
| 9        | 259  | analytical adj solution and (weld\$ stress\$ distort\$) and | USPAT;    | 2003/12/31       |
| -        |      | (@ad<19991127 @rlad<19991127)                               | US-PGPUB; | 10:36            |
|          |      | (Canada Cinda ISSSIE)                                       | EPO; JPO; | 10.30            |
| İ        |      | ,   | DERWENT;  |                  |
|          |      |   | IBM_TDB   |                  |
| 10       | 9    | finite adj element adj analysis and analytical adj solution | USPAT;    | 2002/12/21       |
|          | 7    | and (weld\$ stress\$ distort\$) and (@ad<19991127           |           | 2003/12/31       |
|          |      | @rlad<19991127  | US-PGPUB; | 10:37            |
|          |      | GI ING. 12221127  | EPO; JPO; |                  |
|          |      |   | DERWENT;  |                  |
| 11       | 2    | finite adi alamant adi analysis and analysis (1.10). The    | IBM_TDB   | 2002 (12.12.     |
| 11       | ۷    | finite adj element adj analysis and analytical adj solution | USPAT;    | 2003/12/31       |
|          |      | and weld\$ and (stress\$ distort\$) and (@ad<19991127       | US-PGPUB; | 10:39            |
|          |      | @rlad<19991127)   | EPO; JPO; |                  |
| .        |      |   | DERWENT;  |                  |
|          |      |   | IBW_TDB   |                  |

| 13  | 1157      | model and weld\$ and stress\$ and distort\$ and          | USPAT;            | 2003/12/31         |
|-----|-----------|--|-------------------|--------------------|
| 13  | 1157      | (@ad<19991127 @rlad<19991127)                            | US-PGPUB;         | 10:42              |
|     |           | (@ddx19991127 @rliddx19991127)                           | EPO; JPO;         | 10.42              |
|     |           |  | DERWENT;          |                    |
|     |           | ·  | IBM_TDB           |                    |
| 14  | 7         | model same weld\$ same stress\$ same distort\$ and       | USPAT;            | 2003/12/31         |
| • ' |           | (@ad<19991127 @rlad<19991127)                            | US-PGPUB;         | 10:40              |
|     |           | (644.3555.1127 61.444.3555.1127)                         | EPO; JPO;         | 10.10              |
|     |           |  | DERWENT;          |                    |
|     | - Andrews | *  | IBM_TDB           |                    |
| 15  | 193       | model and mesh and weld\$ and stress\$ and distort\$ and | USPAT;            | 2003/12/31         |
|     |           | (@ad<19991127 @rlad<19991127)                            | US-PGPUB;         | 10:42              |
|     |           |  | EPO; JPO;         |                    |
|     | i         |  | DERWENT;          |                    |
|     |           |  | IBM_TDB           |                    |
| 16  | 109       | model and mesh and (finite element) and (analytical      | USPAT;            | 2003/12/31         |
|     |           | solution) and weld\$ and stress\$ and distort\$ and      | US-PGPUB;         | 10:43              |
|     |           | (@ad<19991127 @rlad<19991127)                            | EPO; JPO;         |                    |
|     |           | ·  | DERWENT;          |                    |
|     |           | ·  | IBM_TDB           |                    |
| 17  | 9         | model and mesh and (finite element) and (analytical      | USPAT;            | 2003/12/31         |
|     |           | solution) and weld\$ and residual adj stress\$ and       | US-PGPUB;         | 10:44              |
|     |           | (distort\$ deform\$) and (@ad<19991127                   | EPO; JPO;         |                    |
|     |           | @rlad<19991127)  | DERWENT;          |                    |
|     |           |  | IBM_TDB           |                    |
| 18  | 9         | model and mesh and (finite element) and (analytical      | USPAT;            | 2003/12/31         |
|     |           | solution) and weld\$ and residual adj stress\$ and       | US-PGPUB;         | 10:54              |
|     |           | (distort\$ deform\$) and structur\$ and (@ad<19991127    | EPO; JPO;         |                    |
|     |           | @rlad<19991127)  | DERWENT;          |                    |
| 10  | 27        | 702/4 1:1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1              | IBM_TDB           |                    |
| 19  | 27        | 703/\$ and thermal near analysis and (@ad<19991127       | USPAT;            | 2003/12/31 11:05   |
|     |           | @rlad<19991127)  | US-PGPUB;         |                    |
|     |           |  | EPO; JPO;         |                    |
|     |           |  | DERWENT;          |                    |
| 20  | 5         | 703/\$ and thermal near analysis same (((finite near     | IBM_TDB<br>USPAT; | 2003/12/31 11:55   |
| 20  |           | element) and stress) ((analytical near solution) and     | US-PGPUB;         | 2003/12/31 11:55   |
|     |           | (deform\$ distort\$))) and (@ad<19991127                 | EPO; JPO;         |                    |
|     |           | @rlad<19991127)  | DERWENT;          |                    |
|     |           | G. 144-13771117,   | IBM_TDB           |                    |
| 21  | 13        | 703/\$ and thermal near analysis same ((finite near      | USPAT;            | 2003/12/31 11:09   |
|     |           | element) stress) and (@ad<19991127 @rlad<19991127)       | US-PGPUB;         | 2000, 12, 01 11:0, |
|     |           | ,  | EPO; JPO;         |                    |
|     |           |  | DERWENT;          |                    |
|     |           |  | IBM_TDB           |                    |
| 22  | 2         | 703/\$ and thermal near analysis same ((analytical near  | USPAT;            | 2003/12/31 11:12   |
|     |           | solution) (deform\$ distort\$)) and (@ad<19991127        | US-PGPUB;         |                    |
|     |           | @rlad<19991127)  | EPO; JPO;         |                    |
|     |           |  | DERWENT;          |                    |
|     |           |  | IBM_TDB           |                    |
| 23  | 2         | 5796617.pn.  | USPAT;            | 2003/12/31 11:35   |
|     |           |  | US-PGPUB;         |                    |
|     |           |  | EPO; JPO;         |                    |
|     |           |  | DERWENT;          |                    |
|     |           |  | IBM_TDB           |                    |

| 24 | 0  | 703/\$ and weld\$ and thermal near analysis same (((finite       | USPAT;    | 2003/12/31 11:56   |
|----|----|--|-----------|--------------------|
|    |    | near element) and stress) ((analytical near solution) and        | US-PGPUB; |                    |
|    |    | (deform\$ distort\$))) and (@ad<19991127                         | EPO; JPO; |                    |
|    |    | @rlad<19991127)  | DERWENT;  |                    |
|    |    |  | IBM_TDB   |                    |
| 25 | 0  | 703/\$ and weld\$ and thermal near analysis and (((finite        | USPAT;    | 2003/12/31 11:56   |
|    |    | near element) and stress) ((analytical near solution) and        | US-PGPUB; |                    |
|    |    | (deform\$ distort\$))) and (@ad<19991127                         | EPO; JPO; |                    |
|    |    | @rlad<19991127)  | DERWENT;  |                    |
|    |    | - C. 130.22772227,   | IBM_TDB   |                    |
| 26 | o  | 700/\$ and weld\$ and thermal near analysis and (((finite        | USPAT:    | 2003/12/31 11:56   |
| 20 |    | near element) and stress) ((analytical near solution) and        | US-PGPUB; | 2000, 12, 01 11.00 |
|    |    | (deform\$ distort\$))) and (@ad<19991127                         | EPO; JPO; |                    |
|    |    | @rlad<19991127)  | DERWENT;  |                    |
|    | j  | Grad(19991127)   | IBM_TDB   |                    |
| 27 | 0  | 700/\$ and wold\$ and thermal many analysis same (((finite       | USPAT;    | 2003/12/31 11:57   |
| 27 | "  | 700/\$ and weld\$ and thermal near analysis same (((finite       |           | 2003/12/31 11:5/   |
|    |    | near element) and stress) ((analytical near solution) and        | US-PGPUB; |                    |
|    |    | (deform\$ distort\$))) and (@ad<19991127                         | EPO; JPO; |                    |
|    |    | @rlad<19991127)  | DERWENT;  |                    |
|    | .  |  | IBM_TDB   |                    |
| 28 | 2  | weld\$ and thermal near analysis same (((finite near             | USPAT;    | 2003/12/31         |
|    |    | element) and stress) ((analytical near solution) and             | US-PGPUB; | 12:02              |
|    |    | (deform\$ distort\$))) and (@ad<19991127                         | EPO; JPO; |                    |
|    |    | @rlad<19991127)  | DERWENT;  |                    |
|    |    |  | IBM_TDB   |                    |
| 29 | 19 | weld\$ and thermal near analysis and (((finite near              | USPAT;    | 2003/12/31 12:11   |
|    |    | element) and stress) ((analytical near solution) and             | US-PGPUB; |                    |
|    |    | (deform\$ distort\$))) and (@ad<19991127                         | EPO; JPO; |                    |
|    |    | @rlad<19991127)  | DERWENT;  |                    |
|    |    |  | IBW_TDB   |                    |
| 30 | 0  | weld\$ and thermal near analysis and (finite near element)       | USPAT;    | 2003/12/31 12:12   |
|    |    | and stress and (analytical near solution) and (deform\$          | US-PGPUB; |                    |
|    |    | distort\$) and (@ad<19991127 @rlad<19991127)                     | EPO; JPO; |                    |
|    |    |  | DERWENT;  |                    |
|    |    |  | IBM_TDB   |                    |
| 31 | 12 | weld\$ and thermal near analysis and (finite near element)       | USPAT;    | 2003/12/31 12:15   |
|    |    | and stress and (deform\$ distort\$) and (@ad<19991127            | US-PGPUB; |                    |
|    |    | @rlad<19991127)  | EPO; JPO; |                    |
|    |    | ·  | DERWENT;  |                    |
|    |    |  | IBM_TDB   |                    |
| 32 | 6  | weld\$ and thermal near analysis and (finite near element)       | USPAT;    | 2003/12/31 12:18   |
|    |    | and analysis same (stress and (deform\$ distort\$)) and          | US-PGPUB, |                    |
|    |    | (@ad<19991127 @rlad<19991127)                                    | EPO; JPO; |                    |
|    |    | (  | DERWENT;  |                    |
|    |    |  | IBM_TDB   |                    |
| 33 | 19 | weld\$ and thermal near analysis and analysis same               | USPAT;    | 2003/12/31 12:21   |
|    |    | (deform\$ distort\$) and (@ad<19991127                           | US-PGPUB; |                    |
|    |    | @rlad<19991127)  | EPO; JPO; |                    |
|    |    |  | DERWENT;  |                    |
|    |    |  | IBM_TDB   |                    |
| 34 | 16 | weld\$ and thermal near analysis and analysis same               |           | 2003/12/31         |
| J7 | 10 | (stress and deform\$ distort\$) and (@ad<19991127                | USPAT;    | 12:23              |
|    |    | (stress and deforms distorts) and (@ddx19991127  @rladx19991127) | US-PGPUB; | 16.63              |
|    |    | GUIDULT STITCI )   | EPO; JPO; |                    |
|    |    | ,  | DERWENT;  |                    |
| L  |    |  | IBM_TDB   | <u> </u>           |

| 35  | 8     | weld\$ and thermal near analysis and analysis same         | USPAT;    | 2003/12/31         |
|-----|-------|--|-----------|--------------------|
| 33  |       | (stress and (deform\$ distort\$)) and (@ad<19991127        | US-PGPUB; | 12:25              |
|     |       | @rlad(19991127)  | EPO; JPO; | 12.23              |
|     |       | @ridd(19991127)  | DERWENT;  |                    |
|     |       |  |           |                    |
| 2,  | 174   |  | IBM_TDB   | 2002 (10 121       |
| 36  | 174   | weld\$ and analysis same (stress and (deform\$ distort\$)) | USPAT;    | 2003/12/31         |
|     |       | and (@ad<19991127 @rlad<19991127)                          | US-PGPUB; | 12:25              |
|     |       |  | EPO; JPO; |                    |
|     |       |  | DERWENT;  |                    |
|     |       |  | IBW_LDB   |                    |
| 37  | 4     | (703/2 703/6 703/7) and weld\$ and analysis same           | USPAT;    | 2003/12/31         |
|     |       | (stress and (deform\$ distort\$)) and (@ad<19991127        | US-PGPUB; | 12:32              |
|     |       | @rlad<19991127)  | EPO; JPO; |                    |
|     |       |  | DERWENT;  |                    |
|     |       |  | IBM_TDB   |                    |
| 38  | 1     | 700/98 and weld\$ and analysis same (stress and            | USPAT;    | 2003/12/31 12:31   |
|     |       | (deform\$ distort\$)) and (@ad<19991127                    | US-PGPUB; |                    |
|     |       | @rlad<19991127)  | EPO; JPO; |                    |
|     |       | ·  | DERWENT;  |                    |
|     |       | ·  | IBM_TDB   |                    |
| 39  | 1     | 700/98 and weld\$ and analysis and (stress and (deform\$   | USPAT;    | 2003/12/31 12:31   |
|     |       | distort\$)) and (@ad<19991127 @rlad<19991127)              | US-PGPUB; |                    |
|     |       |  | EPO; JPO; |                    |
|     |       |  | DERWENT;  |                    |
|     |       | •  | IBM_TDB   |                    |
| 40  | 6     | (703/2 703/6 703/7) and weld\$ and analysis and (stress    | USPAT;    | 2003/12/31         |
| "   |       | and (deform\$ distort\$)) and (@ad<19991127                | US-PGPUB; | 12:32              |
|     |       | @rlad<19991127)  | EPO; JPO; | 12.32              |
|     |       | G (dd 19991127)  | DERWENT;  |                    |
|     |       |  | IBM_TDB   |                    |
| 44  | 2     | 09/270007  | USPAT;    | 2003/12/31 13:11   |
| 11  | _     |  | US-PGPUB; | 2003/12/31 13:11   |
|     |       | · ·  |           |                    |
|     |       |  | EPO; JPO; |                    |
|     |       |  | DERWENT;  |                    |
| 45  | 3     | "09311150"   | IBM_TDB   | 2002 (12 /24 12 44 |
| 45  | 3     | 09311100   | USPAT;    | 2003/12/31 13:11   |
|     |       |  | US-PGPUB; |                    |
|     |       |  | EPO; JPO; |                    |
|     |       |  | DERWENT;  |                    |
| 144 |       |  | IBM_TDB   | 0000 (10 10 10 10  |
| 46  | 2     | adiabatic near boundary and (@ad<19991127                  | USPAT;    | 2003/12/31 15:17   |
|     |       | @rlad<19991127)  | US-PGPUB; |                    |
|     |       |  | EPO; JPO; |                    |
|     |       |  | DERWENT;  |                    |
|     |       |  | IBW_TDB   |                    |
| 47  | 15449 | adiabatic and (@ad<19991127 @rlad<19991127)                | USPAT;    | 2003/12/31 15:15   |
|     | ]     |  | US-PGPUB; |                    |
|     |       |  | EPO; JPO; |                    |
|     |       |  | DERWENT;  |                    |
|     |       |  | IBM_TDB   |                    |
| 48  | 17    | 703/\$ and adiabatic and (@ad<19991127                     | USPAT;    | 2003/12/31 15:15   |
|     |       | @rlad<19991127)  | US-PGPUB; | •                  |
|     | 1     | ·  | EPO; JPO; |                    |
|     |       |  | DERWENT;  |                    |
|     |       |  | IBM_TDB   |                    |

| 49 | 1    | 703/\$ and adiabatic with boundary and (@ad<19991127  | USPAT;                | 2003/12/31 15:18                             |
|----|------|---|-----------------------|--|
|    |      | @rlad<19991127)                                       | US-PGPUB;             |  |
|    |      |   | EPO; JPO;             |  |
|    |      |   | DERWENT;              |  |
|    |      |   | IBW_TDB               |  |
| 50 | 59   | 703/\$ and conduct\$ with boundary and (@ad<19991127  | USPAT;                | 2003/12/31 15:19                             |
|    |      | @rlad<19991127)                                       | US-PGPUB;             |  |
|    |      |   | EPO; JPO;             | ,  |
|    |      |   | DERWENT;              |  |
|    |      |   | IBW_TDB               |  |
| 51 | 6    | 703/\$ and conduct\$ near boundary and (@ad<19991127  | USPAT;                | 2003/12/31                                   |
|    |      | @rlad<19991127)                                       | US-PGPUB;             | 15:20  |
|    |      |   | EPO; JPO;             |  |
|    |      |   | DERWENT;              |  |
|    |      |   | IBW_LDB               |  |
| 52 | 6    | reflected near heat near source and (@ad<19991127     | USPAT;                | 2003/12/31 15:21                             |
|    |      | @rlad<19991127)                                       | US-PGPUB;             |  |
|    |      |   | EPO; JPO;             |  |
|    |      |   | DERWENT;              |  |
|    |      |   | IBW_TDB               |  |
| 53 | 389  | boundary same heat near source and (@ad<19991127      | USPAT;                | 2003/12/31 15:21                             |
|    |      | @rlad<19991127)                                       | US-PGPUB;             |  |
|    |      |   | EPO; JPO;             |  |
|    |      |   | DERWENT;              |  |
|    | _    |   | IBW_TDB               |  |
| 54 | 5    | boundary same (reflected point) near heat near source | USPAT;                | 2003/12/31                                   |
|    |      | and (@ad<19991127 @rlad<19991127)                     | US-PGPUB;             | 15:22  |
|    |      |   | EPO; JPO;             |  |
|    |      |   | DERWENT;              |  |
| 00 |      | 4204404   | IBM_TDB               | 0000 40 404                                  |
| 83 | 2    | 6324491.pn.   | USPAT;                | 2003/12/31                                   |
|    |      |   | US-PGPUB;             | 18:00  |
|    |      |   | EPO; JPO;             |  |
|    |      |   | DERWENT;              |  |
|    | 9    | 703/3 1 ( 1-14 -: 1-+4) 114 1                         | IBM_TDB               | 2002/12/21                                   |
| -  | 9    | 703/2 and (model\$ simulat\$) same weld\$ and         | USPAT;                | 2003/12/31                                   |
|    |      | (@ad<19991127 @rlad<19991127)                         | US-PGPUB;             | 10:30  |
|    |      |   | EPO; JPO;<br>DERWENT; |  |
|    |      |   | IBM_TDB               |  |
| _  | 12   | 703/2 and (model\$ simulat\$) and weld\$ and (stress  | USPAT;                | 2003/12/30                                   |
| -  | 12   | distort\$) and (@ad<19991127 @rlad<19991127)          | US-PGPUB;             | 17:25  |
|    |      | distorty) and (eda(19991127 end(19991127)             | EPO; JPO;             | 17.25  |
|    |      |   | DERWENT;              |  |
|    |      |   | IBM_TDB               |  |
| _  | 96   | 703/2 and (model\$ simulat\$) and (coordinat\$ node   | USPAT;                | 2003/12/30                                   |
|    | . 30 | mesh) and (stress distort\$) and (@ad<19991127        | US-PGPUB;             | 17:26  |
|    |      | @rlad<19991127)                                       | EPO; JPO;             | 17.20  |
|    |      | ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )               | DERWENT;              |  |
|    |      |   | IBM_TDB               |  |
| _  | 34   | 703/2 and (model\$ simulat\$) and (coordinat\$ node   | USPAT;                | 2003/12/30                                   |
|    | 37   | mesh) and (stress distort\$) and (weld\$ thermal) and | US-PGPUB;             | 17:33  |
|    |      | (@ad<19991127 @rlad<19991127)                         | EPO; JPO;             | 17.55  |
|    |      | (000.1222111. 01.100.12221111.)                       | DERWENT:              |  |
|    |      |   | IBM_TDB               |  |
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| - | 2  | 6398102.pn.   | USPAT;    | 2003/12/30 |
|---|----|---|-----------|------------|
|   |    | '   | US-PGPUB; | 17:32      |
|   |    |   | EPO; JPO; |            |
|   |    |   | DERWENT;  |            |
|   |    |   | IBM_TDB   |            |
| • | 45 | 703/2 and (model\$ simulat\$) and (coordinat\$ node       | USPAT;    | 2003/12/30 |
|   |    | mesh) and (stress distort\$) and (weld\$ thermal          | US-PGPUB; | 17:34      |
|   |    | temperature) and (@ad<19991127 @rlad<19991127)            | EPO; JPO; |            |
|   |    |   | DERWENT;  |            |
|   |    | ·   | IBM_TDB   |            |
| - | 30 | 703/2 and (model\$ simulat\$) same (stress distort\$) and | USPAT;    | 2003/12/30 |
|   |    | (coordinat\$ node mesh) and (weld\$ thermal               | US-PGPUB; | 19:52      |
|   |    | temperature) and (@ad<19991127 @rlad<19991127)            | EPO; JPO; |            |
|   |    |   | DERWENT;  |            |
|   |    |   | IBW_TDB   |            |
| - | 7  | 703/2 and (model\$ simulat\$) same (stress distort\$)     | USPAT;    | 2003/12/30 |
|   |    | same (coordinat\$ node mesh) same (weld\$ thermal         | US-PGPUB; | 19:52      |
|   |    | temperature) and (@ad<19991127 @rlad<19991127)            | EPO; JPO; |            |
|   |    |   | DERWENT;  |            |
|   |    |   | IBM TDB   |            |

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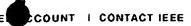
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